

NCR-19-7743

II



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D5373-9**Job Sheet 173811**

Part No: D5373-9

Job Qty: 5 ea

Part Name: Oil Drain Line



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/7/18

Job Tracking No:

Due Date: 3/9/18

Created By: Michelle Gagnon-Donovan

Type: **SOLD**

Description:

Note: D5373 REV E IPP REV:A 17.05.17 NEW ISSUE DD VERF:JFS IPP REV:B 17.11.14 REVISE R&B/NOT
UPLOADED CORRECTLY DD VERF:DP

Ship Via:

Bill of Materials**Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	5 pcs	3/8/18	3/8/18	0.00	0.00	Purchasing		AT 18/03/25
110	Packaging	5 pcs	3/8/18	3/8/18	0.00	0.00	Packaging2		AT 18/03/25
120	QC	5 pcs	3/8/18	3/8/18	0.00	0.00	QC6		18-04-09
121	CNC Vertical Machining	5 pcs	3/8/18	3/8/18	0.00	3.50	HAAS1-2		18-04-09
122	QC	5 pcs	3/8/18	3/8/18	0.00	0.00	QC2 Machining-4		18-04-09
123	QC	5 pcs	3/8/18	3/8/18	0.00	0.00	QC8 Machining-4		18-04-10
130	Small Fab	5 pcs	3/9/18	3/9/18	0.00	0.23	Small Fab-9		18-04-11
140	QC	5 pcs	3/9/18	3/9/18	0.00	0.00	QC5		18-04-11
150	Packaging	5 pcs	3/9/18	3/9/18	0.00	0.00	Packaging3-2		18-04-11
160	QC21-SA	5 Ea	3/9/18	3/9/18	0.00	0.00	QC21		18-04-11

Part Op 100 - Issue P/O: 039285 Purchase Part Number: 101062D0170CR270 Supplier: STRATOFLEX Certificate of
Descriptions: conformity is required

MAR 09 2018

110 - Receive & Inspect for Damage & Mat'l Certs

120 - QC6- All purchased or subcontracted products

121 - 1- Drill lock wire hole per folio FB505 ***NOTE8*** DWG REV: _____ FOLIO REV: _____ 2- Debur

122 - QC2- Inspect parts off machine FAI/FAIB

123 - QC8- Inspect parts - second check

130 - INSTALL LABEL D2729 AS PER DWG NOTES

140 - QC5- Inspect part completeness to step on W/O

150 - Identify as per dwg & Stock Location: _____

160 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
101062D0170C270	Oil Drain Line	5 Ea (1 ea)	100-Purchasing	5054674
D2482-045	Heat Shrink 4.5" Long	5 Ea (1 ea)	130-Small Fab	EL5059
D2729-4	Red Decal	5 Ea (1 ea)	130-Small Fab	

B 45322

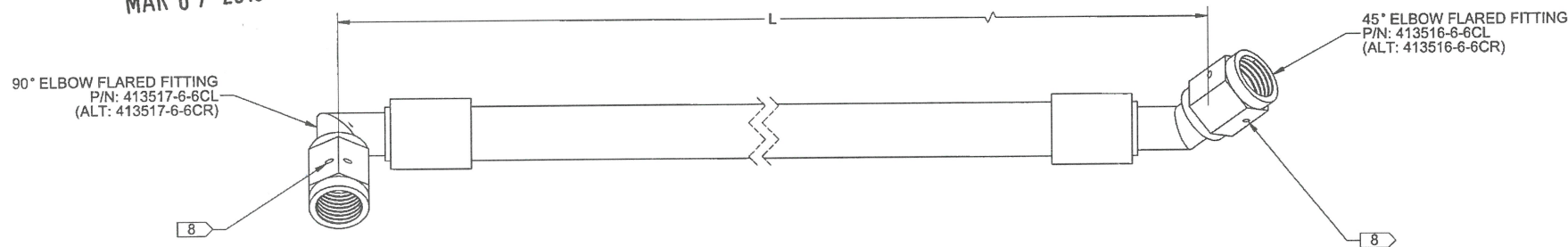
DAS
10
9-89
D3158-045

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	101062D0170C270	5	0	0
130-Small Fab	D2182-045	5	36	0
	D2729-4	5	0	0
Part Specifications				
Specifications could not be found.				

Plex 3/7/18 12:44 PM Dart.Gagnon.Michelle

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 173811
MAR 07 2018

SPECIFICATION CONTROL DRAWING



D5373-X - OIL DRAIN LINE

DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	LENGTH "L" (INCHES)	MAX O.D. (INCHES)	MIN I.D. (INCHES)	WEIGHT (LBS)	SPECIFICATION	CONSTRUCTION TYPE	CONSTRUCTION REINFORCEMENT	COVER
D5373-9	OIL DRAIN LINE	STRATOFLEX	101062D0170CL270	17	0.615	0.298	0.41	AS4897 AND AS150 TYPE 1AB	SEAMLESS, EXTRUDED, CONDUCTIVE POLYTETRAFLUOROETHYLENE	CORROSION-RESISTANT STEEL WIRE BRAID	INTEGRAL SILICONE
			ALT: 101062D0170CR270								

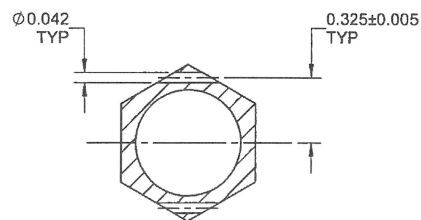
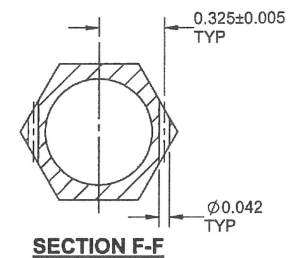
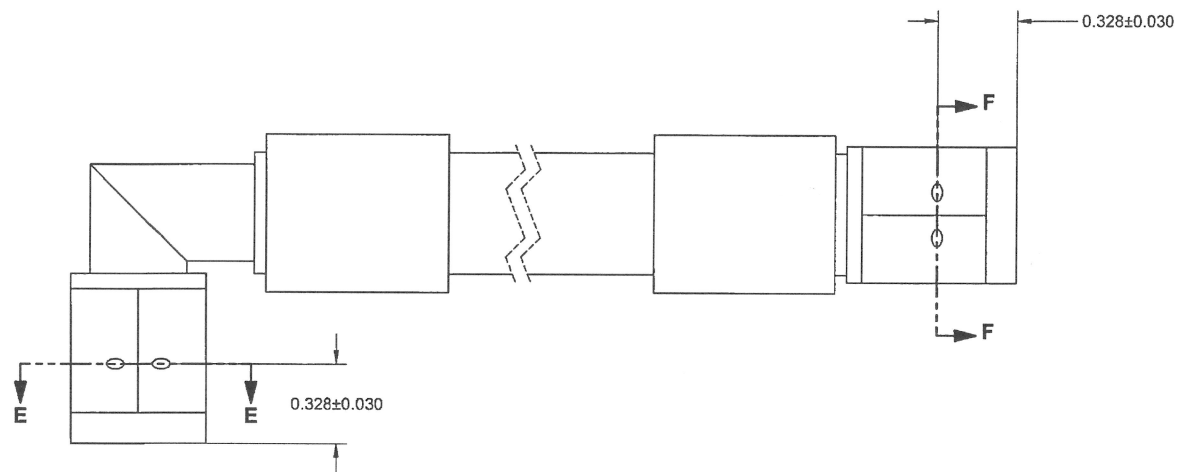
NOTES:

- 1) MATERIAL: PER TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N & B/N USING D2729 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE
- 8) FOR ALTERNATE PART NUMBERS (101062D0170CRXXX), DRILL LOCK-WIRE HOLES PER SHEET 7, DETAIL D

RELEASED
2017-09-19

APPROVED

DESIGN		CC	DART AEROSPACE USA, INC.	
DRAWN		WK	EUGENE, OR	
CHECKED		VS	DRAWING NO.	REV. E
MFG. APPR.		DD	D5373	SHEET 4 OF 7
APPROVED		HS	TITLE	SCALE
DE APPR.		DS	OIL DRAIN LINE	NTS
DATE	17.09.11		COPYRIGHT © 2016 BY DART AEROSPACE USA, INC.	
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SECTION E-E

DETAIL D - LOCKWIRE HOLES (TYPICAL FOR -6 FITTINGS)

RELEASED
2017-09-19

APPROVED

DESIGN	CC	DART AEROSPACE USA, INC.	
DRAWN	WK	EUGENE, OR, USA	
CHECKED	VS	DRAWING NO. D5373	REV. E
MFG. APPR.	DD	TITLE	SHEET 7 OF 7
APPROVED	HS	OIL DRAIN LINE	SCALE
DE APPR.	DS	DATE 17.09.11	NTS
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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039255

Supplier: AVI002-VU
Aviall
PO BOX 842267
Dallas, TX 75284-2267 USA
Phone: 905-676-1695
Fax: 905-676-9046

PO No: PO039255

PO Date: 3/9/18

Due Date: 3/23/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Baker, Diane
dbaker@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

E-MAILED
MAR 12 2018

Revised

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	CCB-38000		Oil Drain Valve - D5527-1	Firmed	3/23/18	10 Ea	0 Ea	10 Ea	\$108.33/Ea	\$1,083.30
Line Item Note job# 173822										
2	101005-4CR-0062		Oil Drain Line - D5373-3	Firmed	3/23/18	5 pcs	0 pcs	5 pcs	\$120.00/pcs	\$600.00
Line Item Note job 173808										
3	101005-6CR-0150		Oil Drain Line - D5373-7	Firmed	3/23/18	5 pcs	0 pcs	5 pcs	\$182.64/pcs	\$913.20
Line Item Note job# 173810										
4	101062D0170C270		Oil Drain Line - D5373-9	Firmed	3/23/18	5 Ea	0 Ea	5 Ea	\$393.77/Ea	\$1,968.85
Line Item Note job# 173811										
5	101062B0160C270		Oil Drain Line - D5373-11	Firmed	3/23/18	5 Ea	0 Ea	5 Ea	\$204.88/Ea	\$1,024.40
Line Item Note job#173816										
Grand Total:									\$5,589.75	

Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
A049 SUPPLIER AWARENESS

DAS
11
9-89

CZ
WLB



PACKING LIST



DELIVERY NUMBER: 8005639143

ROUTE: US FedEx International Priority

PAGE: 1 of 1
DATE: 20MAR18
TIME: 14:49:56
EMP: 00000000
ORD TYP: ZOR 169
CURRENCY: USD
TERMS: Net 30

CUSTOMER PO: PO039255
ORDER NUMBER: 1003902107
ORDER DATE: 13MAR18

B 10003952
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
T CANADA
O

S 10003952
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
O

S 1009
H AVIALL DALLAS HOSE SHOP
I DALLAS HOSE SHOP
P 2755 REGENT BLVD
F DFW AIRPORT TX 75261
R USA
M

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	1S	101005-6CR0150 HOSE: LT PRESSURE, PTFE BATCH 100152466	5	5	0	EA		182.64	913.20
00020	0	1S	101062D0170C270 HOSE: LT PRESSURE, PTFE, ASSEMBLY BATCH 100152467	5	5	0	EA		393.77	1,968.85
00030	0	1S	101062B0160C270 HOSE: LT PRESSURE, PTFE, ASSEMBLY BATCH 100152468	5	5	0	EA		204.88	1,024.40

This is not an Invoice.
For payment processing, please refer to Invoice.

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE

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DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL
RETURNED MERCHANDISE SUBJECT TO HANDLING
FEE.
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938
AMENDED.

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DQA:

Date:

2K Nov 19/11



QA Closed:

Date:

WORK ORDER NON-CONFORMANCE / UPDATE

Work Order update only ☐

Work Order: 173811

Part No. 05373-9

NCR No. 19-7748

DISPOSITION

Rework ☒

Scrap ☐

Use-as-is ☒

Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Cross tube ☐ Water Jet ☐ Engineering ☒

Machining ☐ Small Fab ☐ Prod. Eng. Coord. ☐ Quality ☐

Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐

Large Fab ☐ Composite ☐ Supplier ☐

Date: 18/4/11

Step #: 130

QTY Effective: 5

MRB (QSI042) Approval

DAS
12
9-89

18/4/11

Description Work Order Deviation

Disposition

Heatshrink will not fit over end fittings. D3185-045
was substituted for D2182-045.

Acceptable. D2182 and D3185 heat shrink
is identified except for diameter (both Raychem
RMF-100). Shrunk D3185 fits appropriately.

Completed By

DAS
12
9-89

18/4/11

Lead hand / Supervisor
Approval Verification

D 19-05-11

QC / QA Coordinator
Approval

D 19-05-11

Root Cause

Environment ☐ No Re-verification ☐

Design ☐ Operator ☐

Doc/Data ☐ Offset/Setup ☐

Equip/Tooling ☐ Supplier ☐

Handling/Pre ☐ Training ☐

Material ☐ Use for Testing ☐

Internal Transport ☐ Poor Information ☐

Tribal Knowledge ☐ Rushing ☐

LOA ☐ Product Improvement ☐

Substation ☐ Process Improvement ☐

Past Expiry Date ☐ Manufacturing Process ☒

Misidentified ☐ Past Due ☐

Pressure/Forced ☐

Bending ☐

Centre Not Concentric ☐

Cracks ☐

Crimp/Kink/Ripple/Wave ☐

Cuffs ☐

Crushing ☐

Heat Treat ☐

Wave/Twist in Tube ☐

Marks/Chatter ☐

FAULT CATEGORY

Temperature/Cure ☐

Set-up ☐

BOM/Route ☐

Broken/Damage/Defect ☐

Inspection Incomplete/Unqualified ☐

Contamination ☐

Countersink ☐

Cut Too Short ☐

Instructions Incomplete/Unclear ☐

Drill Holes ☐

Power Loss/Surge ☐

Folio/Program ☐

Grain ☐

Weld ☐

Wrong Stock Pulled ☐

Out of Sequence ☐

Off-set ☐

Mislabeled ☐

☒ Fit/Function

Misaligned/off center ☐

Positioned Wrong ☐

Outside Dimensions ☐

Over/Under tolerance ☐

Part Incorrect ☐

Part Lost/Missing ☐

Part Moved ☐

Drawing ☐

Finish ☐

Misread ☐

Turning Sequence ☐

OTHER: